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GOVERNOR

**HAROLD LEGGETT, PH.D.**  
SECRETARY

## State of Louisiana

Certified Mail No.

**DEPARTMENT OF ENVIRONMENTAL QUALITY  
ENVIRONMENTAL SERVICES**

Activity No.: PER20090001  
Agency Interest No. 31663

James J. Greco  
Vice President/General Manager  
Printpack, Inc.  
2800 Overlook Parkway, N.E.  
Atlanta, GA 30339

RE: Part 70 Operating Permit, Printpack Inc - Shreveport Facility  
Shreveport, Caddo Parish, Louisiana

Dear Mr. Greco:

This is to inform you that the permit modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the 12<sup>th</sup> of February, 2014, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Please be advised that pursuant to provisions of the Environmental Quality Act and the Administrative Procedure Act, the Department may initiate review of a permit during its term. However, before it takes any action to modify, suspend or revoke a permit, the Department shall, in accordance with applicable statutes and regulations, notify the permittee by mail of the facts or operational conduct that warrant the intended action and provide the permittee with the opportunity to demonstrate compliance with all lawful requirements for the retention of the effective permit.

Done this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

Permit No.: 0400-00032-V5

Sincerely,

Cheryl Sonnier Nolan  
Assistant Secretary  
CSN:tbt  
c: EPA Region VI

## LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

**Printpack Inc - Shreveport Facility**  
**Agency Interest No.: 31663**  
**Printpack Inc**  
**Shreveport, Caddo Parish, Louisiana**

### I. Background

Printpack Inc. owns and operates an existing printing facility located north of downtown Shreveport in the Freestate Industrial Park in Bossier Parish (postal address is 210 Kansas City Avenue, Shreveport, LA 71107) Louisiana. The facility began operation in 1969 and was granted its initial Permit No. 0500-00059-00 on September 17, 1986. James River Packaging, Inc. acquired the facility effective June 8, 1992 and Permit No. 0400-00032-01 was granted. Printpack, Inc. purchased the facility effective October 2, 1996. The facility was granted its initial Title V operating Permit No. 0400-00032-V0 on February 04, 1998.

An administrative amendment to eliminate misinterpretation of required testing parameters by replacing the words "principal total organic" in Specific Condition No. 5 by "total VOC" was granted on August 27, 1998.

An exemption to install four stand-alone parts washers was granted September 28, 1999, and an exemption to install a 5,000-gallon tank to store 92,548 gals/yr Sh117 solvent (a blend of 85% normal propyl alcohol, 15% n-propyl acetate with a mixture vapor pressure of 0.826 psia) was granted June 19, 2000.

A renewal and modification request to modify the Title V permit was approved and Permit No. 0400-00032-V1 was granted on November 30, 2003.

A modification request to include a 5,000 gallon solvent tank previously omitted, remove Presses 1152 and 1153 and their associated components and update emissions, and update the facility's general information sheet was approved and Permit No. 0400-00032-V2 was issued on December 6, 2004.

A request to change the frequency of testing of the destruction reduction efficiency of its catalytic oxidizer (incinerator), Emission Point 1, from two to five years based on its historical performance records and to include the newly added photopolymer plate system, Emission Point SN02-25, authorized under a case by case approved June 8, 2006 was approved and Permit No. 0400-00032-V3 was granted on October 2, 2006.

A request to eliminate Laminator Unit 1206, revise and update the sources whose emissions are controlled by the Catalytic Oxidizer and those controlled by the Regenerative Thermal Oxidizer under the normal and alternative operational scenarios, and update the emissions of the facility accordingly was approved and Permit No. 0400-00032-V4 was granted on February 12, 2009.

This is the Part 70 operating modification permit for the facility.

## LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

**Printpack Inc - Shreveport Facility**

**Agency Interest No.: 31663**

**Printpack Inc**

**Shreveport, Caddo Parish, Louisiana**

### II. Origin

A permit application and Emission Inventory Questionnaire were submitted by Printpack, Inc on June 3, 2009 requesting a Part 70 operating permit modification.

### III. Description

Printpack Inc. (Printpack) owns and operates the Shreveport Facility, which is a converter of plastic films for the food service and packaging industry. Polyethylene pellets are transformed into plastic film using cast film extrusion technology. The Shreveport Facility operates flexographic printing presses and rotogravure lamination to convert the plastic films.

In addition to plastic film extrusion, films are treated prior to printing and/or lamination by corona treating. Photopolymer printing plates are also produced for use within the Shreveport Facility.

The facility has a catalytic incinerator (oxidizer) SN01, Emission Point 1 and a thermal incinerator (oxidizer) SN02, Emission Point 12. The former normally controls emissions from presses 1109, 1110 and 1151, and laminator 1207 and the associated dryers. The latter normally controls emissions from presses 1171 and 1180, Outboard 1180, Photopolymers SN23 and SN25, Parts Washer SN024 (Solvent Recovery System), Outboard Coating 1171 and associated dryers.

The facility operates under three scenarios according to the operational status of its catalytic and thermal incinerators (oxidizers). The first, the normal operating mode, is when both oxidizers are operating as designed (each controlling emissions from the sources described above). The second is when the thermal oxidizer SN02, Emission Point 12, is out of service. In this case, the catalytic oxidizer is symbolically labeled Emission Point 1A, laminator 1207 and the associated dryers, whose emissions are normally controlled by the catalytic oxidizer SN01, Emission Point 1, are shut off and the emissions from Presses 1110, 1151, 1171 and 1180 and Outboard 1180 along with their associated dryers, normally routed to the thermal oxidizer SN02, are routed to the catalytic oxidizer SN01. The third is when the catalytic oxidizer SN01 is out of service. In this situation, the thermal oxidizer is symbolically labeled Emission Point 12A, Photopolymers SN23 and SN25, Parts Washer SN024 (Solvent Recovery System), whose emissions are normally controlled by thermal oxidizer SN02, are shut off and the emissions from Press 1110 and associated dryers, normally routed to the catalytic oxidizer SN01, are routed to the thermal oxidizer SN02.

The primary sources for emissions are the printing and lamination processes, which require the use of solvents as diluents in the inks and adhesives. To reduce emissions from these operations, catalytic and thermal incineration control devices are employed.

## LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

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Additional sources of emissions include ozone from corona treatment, VOCs from producing photopolymer-printing plates, and VOCs from water based coatings, which contain small amounts of solvents.

With this modification, Printpack proposes the addition of two inline outboard stations to Press 1151. Printpack will limit the VOC increase to less than 40 tons per year so that the project will not trigger PSD. This permit will require Printpack to monitor and record the throughput to Press 1151 Outboard Stations and determine the VOC emissions on a 12 month rolling average.

Estimated emissions in tons per year are as follows:

Pollutant	Before	After	Change
PM <sub>10</sub>	1.05	1.12	+ 0.07
SO <sub>2</sub>	0.08	0.08	-
NO <sub>x</sub>	13.75	14.44	+ 0.69
CO	11.55	12.15	+ 0.60
VOC	296.32	334.06	+ 37.74
Ozone*	62.17	64.57	+ 2.40

\*Not included in the total VOC.

### VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

Pollutant	Before	After	Change
Toluene	2.22	2.22	-
MEK	7.36	7.36	-
Total	9.58	9.58	-

Other VOC (TPY): 324.48

### IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations and National Emission Standards for Hazardous Air Pollutants (NESHAP). PSD and New Source Performance Standards (NSPS) do not apply. A federally enforceable condition is being added to ensure that the PTE of the new units remains below the threshold of 40 tpy of VOC. This facility is a minor source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51.

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### **V. Credible Evidence**

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

### **VI. Public Notice**

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>; and in *The Times*, Shreveport, on <date>. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. No comments from the public were received.

### **VII. Effects on Ambient Air**

Emissions associated with the renewal were reviewed by the Air Quality Assessment Division to ensure compliance with the NAAQS and AAS. LDEQ did not require the applicant to model emissions for the Title V Renewal issued on February 12, 2009.

VOC emissions from the proposed modification will not exceed 100 tons per year; therefore, an ambient air quality analysis and preconstruction monitoring are not required for ozone.

### **VIII. General Condition XVII Activities**

Work Activity	Schedule	Emission Rates - tons				
		PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>x</sub>	CO	VOC
NONE						

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**IX. Insignificant Activities**

<b>ID No.:</b>	<b>Description</b>	<b>Citation</b>
NONE		

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Printpack Inc - Shreveport Facility**  
**Agency Interest No.: 31663**  
**Printpack Inc**  
**Shreveport, Caddo Parish, Louisiana**

**I. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:III Chapter															
		5▲	9	11	13	15	2103	2111	2115	2123	2143	22	29*	51*	53*	56	59*
UNF001	Plant - wide		1	1	1	1											1
EQT 8	1 Catalytic Incinerator SN01		1	1	3												
EQT 10	2 Miscellaneous Solvents Acetates/Alcohols Storage Tank					1											
EQT 11	3 Miscellaneous Solvents Acetates Alcohols Storage Tank																1
EQT 12	4 Miscellaneous Solvents Acetates Alcohols Storage Tank																
EQT 13	5A Water Based Adhesive Lamination Process (1207 Laminator); Solvent Wash-up Fugitives																1
EQT 14	6 7.0 kW Corona Treater (1207 Primary)																
EQT 15	7 7.0 kW Corona Treater (1207 Secondary)																
EQT 16	8 5.0 kW Corona Treater (1208 Primary)																
EQT 17	9 5.0 kW Corona Treater (1208 Secondary)																

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**I. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:III.Chapter															
		5▲	9	11	13	15	2103	2111	2115	2123	2143	22	29*	51*	53*	56	59*
EQT 18	10 10.0 kW Corona Treater (1110 Press)																
EQT 19	12 Thermal Incinerator SN02																
EQT 29	21 7.0 kW Corona Treater (1171 Press)																
EQT 30	22 3.0 kW Corona Treater (1171 Press)																
EQT 33	11 Cyclone Trim System																
EQT 34	25 Prime Coating Station 1251 Extruder (Water Based)																
EQT 35	26 Prime Coating Station 1252 Extruder (Water Based)																
EQT 36	26A Prime Coating Station 1252 Extruder (Water Based Coating)																
EQT 37	27 3.0 kW Corona Treater (1151 Press)																
EQT 41	32 1208 SAI Laminator – Wash-up Activities Fugitive Emissions																

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

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**I. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:III, Chapter														
		5▲	9	11	13	15	2103	2111	2115	2123	2143	22	29*	51*	53*	56
EQT 74	33 Sh117 Solvent Storage Tank							1								
EQT 84	28 7.5 kW Corona Treater (1151 Press Outboard Stations)															

\* The regulations indicated above are State Only regulations.

▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

**KEY TO MATRIX**

- 1 - The regulations have applicable requirements that apply to this particular emission source.  
 - The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.  
 Blank – The regulations clearly do not apply to this type of emission source.

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**X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHPAP						40 CFR					
		A	K	Ka	Kb	Db	Dc	GG	KKK	III	A	J	V	A	KK	SS	VV	HHH	64	68					
UNF001	Plant-wide																								

**KEY TO MATRIX**

- 1 . The regulations have applicable requirements that apply to this particular emission source.  
 -The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 . The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 . The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

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**XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Notes
EQT008 - Catalytic Incinerator SN01 and EQT019 – Thermal Incinerator SN02	LAC 33:III.1503 – Emission Limitations and Compliance	DOES NOT APPLY - Potential to emit SO <sub>2</sub> is less than 5 tons/year.
EQ011 – 3- Miscellaneous Solvents/Acetates/Alcohols Storage Tank	LAC 33:III.2103 – Storage of Volatile Organic Compounds	EXEMPT – The stored solvents vapor pressures are less than 1.50 psia.

The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

General Information

**AI ID:** 31663 **Printpack Inc - Shreveport Facility**  
**Activity Number:** PER20090001  
**Permit Number:** 0400-00032-V5  
**Air - Title V Regular Permit Minor Mod**

Also Known As:	ID	Name	User Group	Start Date
	0400-00032	Printpack Inc - Shreveport F Facility	CDS Number	08-05-2002
LAD067023333		Printpack Inc	Hazardous Waste Notification	03-09-2000
LAR05M421		LPDES #	LPDES Permit #	05-22-2003
		James River Paper Co	Multimedia	05-27-1993
		Radiation General License	Radiation License Number	12-22-2000
GL-319		Site ID #	Solid Waste Facility No.	08-24-2001
G-015-5654		Specialty Papers Co	TEMPO Merge	03-25-2002
20578		Printpack Inc	TEMPO Merge	08-06-2001
2751		Printpack Inc	TEMPO Merge	08-06-2001
38415		Printpack Inc	TEMPO Merge	08-06-2001
42810		TRI #	Toxic Release Inventory	07-16-2004
71107JMSRV210KA		UST Facility ID (from UST legacy data)	UST FID #	10-11-2002
			Main Phone:	3182268661
			Phone (Type)	
Physical Location:				
Mailing Address:				
Location of Front Gate:				
Related People:				
Related Organizations:				

General Information

**AI ID:** 31663 Printpack Inc - Shreveport Facility  
**Activity Number:** PER20090001  
**Permit Number:** 0400-00032-V5  
**Air - Title V Regular Permit Minor Mod**

Related Organizations:	Name	Address	Phone (Type)	Relationship
	Printpack Inc	210 Kansas City Ave Shreveport, LA 71107		Emission Inventory Billing Party
	Specialty Papers Co	210 Kansas City Ave Shreveport, LA 71107	3182268661 (VTP)	UST Billing Party for

**NAIC Codes:** 323112, Commercial Flexographic Printing

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit.  
 Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Ms. Tommie Milam, Permit Support Services Division, at (225) 219-3259 or email your changes to facupdate@la.gov.

**INVENTORIES**

**AID: 31663 - Printpack Inc - Shreveport Facility**  
**Activity Number: PER20090001**  
**Permit Number: 0400-00032-V5**  
**Air - Title V Regular Permit Minor Mod**

**Subject Item Inventory:**

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
<b>UNF01 - Printpack Shreveport Plant</b>						
EQT 0008	1 - Catalytic Incinerator SN01		6.33 MM BTU/hr	6.33 MM BTU/hr		8760 hr/yr
EQT 0010	2 - Miscellaneous Solvents Acetates/Alcohols Storage Tank	1000 gallons	100000 gallons/yr	100000 gallons/yr	Miscellaneous Solvents, Acetates/Alcohols	8760 hr/yr
EQT 0011	3 - Miscellaneous Solvents Acetates/Alcohols Storage Tank	1000 gallons	100000 gallons/yr	100000 gallons/yr	Mixed Alcohols	8760 hr/yr
EQT 0012	4 - Miscellaneous Solvents Acetates/Alcohols Storage Tank	1000 gallons	300000 gallons/yr	300000 gallons/yr	Acetates/Alcohols	8760 hr/yr
EQT 0013	5A - Water Base Adhesive Lamination Process (1207); Solvent Wash-up Fugitives					8760 hr/yr
EQT 0014	6 - 7.0 kw Corona Treater (1207 Primary)		7884 lb/yr	7884 lb/yr		8760 hr/yr
EQT 0015	7 - 7.0 kw Corona Treater (1207 Secondary)		7884 lb/yr	7884 lb/yr		8760 hr/yr
EQT 0016	8 - 5.0 kw Corona Treater (1208 Primary)		7541 lb/yr	7541 lb/yr		8760 hr/yr
EQT 0017	9 - 5.0 kw Corona Treater (1208 Secondary)		7541 lb/yr	7541 lb/yr		8760 hr/yr
EQT 0018	10 - 10.0 kw Corona Treater (1110 Press)		10877 lb/yr	10877 lb/yr		8760 hr/yr
EQT 0019	12 - Thermal Incinerator SN02		2.5 MM BTU/hr	2.5 MM BTU/hr		8760 hr/yr
EQT 0021	13 - 7.5 kw Corona Treater (1252 Extruder)		7884 lb/yr	7884 lb/yr		8760 hr/yr
EQT 0022	14 - 7.5 kw Corona Treater (1252 Extruder)		7884 lb/yr	7884 lb/yr		8760 hr/yr
EQT 0023	15 - 7.5 kw Corona Treater (1252 Extruder)		7884 lb/yr	7884 lb/yr		8760 hr/yr
EQT 0024	16 - 7.5 kw Corona Treater (1252 Extruder)		7884 lb/yr	7884 lb/yr		8760 hr/yr
EQT 0025	17 - 7.5 kw Corona Treater (1252 Extruder)		7884 lb/yr	7884 lb/yr		8760 hr/yr
EQT 0026	18 - 7.5 kw Corona Treater (1251 Extruder)		7884 lb/yr	7884 lb/yr		8760 hr/yr
EQT 0027	19 - 7.5 kw Corona Treater (1251 Extruder)		7884 lb/yr	7884 lb/yr		8760 hr/yr
EQT 0028	20 - 7.5 kw Corona Treater (1251 Extruder)		7884 lb/yr	7884 lb/yr		8760 hr/yr
EQT 0029	21 - 7.0 kw Corona Treater (1171 Press)		5700 lb/yr	5700 lb/yr		8760 hr/yr
EQT 0030	22 - 3.0 kw Corona Treater (1171 Press)		5700 lb/yr	5700 lb/yr		8760 hr/yr
EQT 0033	11 - Cyclone Trim System					8760 hr/yr
EQT 0034	25 - Prime Coating Station 1251 Extruder (Water Based)		1.65 MM BTU/hr	1.65 MM BTU/hr		8760 hr/yr
EQT 0035	26 - Prime Coating Station 1252 Extruder		1.65 MM BTU/hr	1.65 MM BTU/hr		8760 hr/yr
EQT 0036	26A - Prime Coating Station 1252 Extruder (Water Based)		1.65 MM BTU/hr	1.65 MM BTU/hr		8760 hr/yr
EQT 0037	27 - 3.5 kw Corona Treater (1151 Press)					8760 hr/yr
EQT 0041	32 - 1208 SAL Laminator - Wash-up Activities Fugitives Emissions					8760 hr/yr
EQT 0044	SN01-3 - 1207 Lamination Zone 1 Oven		1.2 MM BTU/hr	1.2 MM BTU/hr		8760 hr/yr
EQT 0045	SN01-4 - 1207 Lamination Zone 2 Oven		1.2 MM BTU/hr	1.2 MM BTU/hr		8760 hr/yr
EQT 0046	SN01-5 - 1207 Lamination DN TECH		1.2 MM BTU/hr	1.2 MM BTU/hr		8760 hr/yr
EQT 0048	SN01-7 - Between Color Driers (1109 Press)		.8 MM BTU/hr	.8 MM BTU/hr		8760 hr/yr
EQT 0049	SN01-8 - Overhead Oven		1.5 MM BTU/hr	1.5 MM BTU/hr		8760 hr/yr
EQT 0051	SN01-10 - Between Color Driers (1110 press)		.8 MM BTU/hr	.8 MM BTU/hr		8760 hr/yr
EQT 0052	SN01-11 - Tunnel Oven NO 1 (1110 Press)		.8 MM BTU/hr	.8 MM BTU/hr		8760 hr/yr
EQT 0053	SN01-12 - Tunnel Oven NO 2 (1110 Press)		.8 MM BTU/hr	.8 MM BTU/hr		8760 hr/yr
EQT 0055	SN02-2 - SN02-2 Between Color Driers (1171 Press)		.4 MM BTU/hr	.4 MM BTU/hr		8760 hr/yr

**INVENTORIES**

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 Activity Number: PER20090001  
 Permit Number: 0400-00032-V5  
 Air - Title V Regular Permit Minor Mod

**Subject Item Inventory:**

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
<b>UNF01 - Printpack Shreveport Plant</b>						
EQT 0056	SN02-3 - Overhead Oven (1171 Press)		.4 MM BTU/hr	.4 MM BTU/hr		8760 hr/yr
EQT 0057	SN02-14 - Coater Oven NO 1(1171 Press)		.8 MM BTU/hr	.8 MM BTU/hr		8760 hr/yr
EQT 0058	SN02-15 - Coater Oven NO 2 (1171 Press)		.8 MM BTU/hr	.8 MM BTU/hr		8760 hr/yr
EQT 0060	SN02-7 - Between Color Driers (1151 Press)		.4 MM BTU/hr	.4 MM BTU/hr		8760 hr/yr
EQT 0061	SN02-8 - Overhead Oven (1151 Press)		.4 MM BTU/hr	.4 MM BTU/hr		8760 hr/yr
EQT 0063	SN02-10 - Between Color Driers (1180 Press)		1.6 MM BTU/hr	1.6 MM BTU/hr		8760 hr/yr
EQT 0064	SN02-11 - Overhead Oven (1180 Press)		1.2 MM BTU/hr	1.2 MM BTU/hr		8760 hr/yr
EQT 0065	SN02-12 - 1180 Outboard Station Oven No. 1		1.65 MM BTU/hr	1.65 MM BTU/hr		8760 hr/yr
EQT 0072	SN01 - SN01-13-1206 Gravure Laminator		1.6 MM BTU/hr	1.6 MM BTU/hr		8760 hr/yr
EQT 0074	33 - Sh117 Solvent Storage Tank	5000 gallons	124715 gallons/yr	Solvent	124715 gallons/yr	8760 hr/yr
EQT 0075	SN02-23 - Photopolymer Plate Making (Process & Drying)		52.5 scf/hr	52.5 scf/hr		8760 hr/yr
EQT 0076	SN02-24 - Parts Washers (Solvent Recovery System)	40 gallons	120 gallons/yr	Cleaning Solvents	100 gallons/yr	8760 hr/yr
EQT 0077	SN02-1 - 1171 Eight Color Press Flexo Printing VOC Emissions					8760 hr/yr
EQT 0078	SN02-13 - 1180 Outboard Station Oven No. 2		1.65 MM BTU/hr	1.65 MM BTU/hr		8760 hr/yr
EQT 0079	SN01-6 - 1109 Six Color Press Flexo Printing VOC Emissions					8760 hr/yr
EQT 0080	SN01-9 - 1110 Six Color Press Flexo Printing VOC Emissions					8760 hr/yr
EQT 0081	SN02-20 - 1151 Eight Color Press Flexo Printing VOC Emissions					8760 hr/yr
EQT 0082	SN02-17 - 1180 Eight Color Press Flexo Printing VOC Emissions					8760 hr/yr
EQT 0083	SN02-25 - Photopolymer Plate Making System		70 scf/hr	70 scf/hr		8760 hr/yr
EQT 0084	28 - 7.5 kw Corona Treater (1151 Press Outboard Stations)			7.5 kW		8760 hr/yr
EQT 0085	SN02-14 - Coater Oven NO 1(1151 Press)		.8 MM BTU/hr	.8 MM BTU/hr		8760 hr/yr
EQT 0086	SN02-14 - Coater Oven NO 2(1151 Press)		.8 MM BTU/hr	.8 MM BTU/hr		8760 hr/yr
FUG 0002	SN01-15 - 1207 Lamination Process VOC Fugitive Emissions			(None Specified)		(None Specified)
FUG 0005	SN01-16 - 1171 Outboard Coating Station VOC Fugitive Emissions					8760 hr/yr
FUG 0006	SN02-19 - 1180 Outboard Coating Station VOC Fugitive Emissions					(None Specified)

**Stack Information:**

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
<b>UNF01 - Printpack Shreveport Plant</b>							
EQT 0008	1 - Catalytic Incinerator SN01	42.53	32076	4		28	305
EQT 0010	2 - Miscellaneous Solvents Acetates/Alcohols Storage Tank					.02	12
EQT 0011	3 - Miscellaneous Solvents Acetates/Alcohols Storage Tank					.02	12

**INVENTORIES**

**AI ID: 31663 - Printpack Inc - Shreveport Facility**  
**Activity Number: PER20090001**  
**Permit Number: 0400-00032-V5**  
**Air - Title V Regular Permit Minor Mod**

**Stack Information:**

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
<b>UNF01 - Printpack Shreveport Plant</b>							
EQT 0012	4 - Miscellaneous Solvents/Acetates/Alcohols Storage Tank		.02			12	
EQT 0013	5A - Water Base Adhesive Lamination Process (1207); Solvent Wash-up Fugitives	83	9960		2	30	180
EQT 0014	6 - 7.0 kw Corona Treater (1207 Primary)	19	900		1	30	75
EQT 0015	7 - 7.0 kw Corona Treater (1207 Secondary)	19	900		1	30	75
EQT 0016	8 - 5.0 kw Corona Treater (1208 Primary)	19	900		1	30	75
EQT 0017	9 - 5.0 kw Corona Treater (1208 Secondary)	19	900		1	30	75
EQT 0018	10 - 10.0 kw Corona Treater (1110 Press)	27.6	1300		1	32	75
EQT 0019	12 - Thermal Incinerator SN02	53.28	20150	3		12	300
EQT 0021	13 - 7.5 kw Corona Treater (1252 Extruder)	19	900		.83	30	75
EQT 0022	14 - 7.5 kw Corona Treater (1252 Extruder)	19	900		.83	30	75
EQT 0023	15 - 7.5 kw Corona Treater (1252 Extruder)	19	900		.83	30	75
EQT 0024	16 - 7.5 kw Corona Treater (1252 Extruder)	19	900		.83	30	75
EQT 0025	17 - 7.5 kw Corona Treater (1252 Extruder)	19	900		.83	30	75
EQT 0026	18 - 7.5 kw Corona Treater (1251 Extruder)	19	900		.83	30	75
EQT 0027	19 - 7.5 kw Corona Treater (1251 Extruder)	19	900		.83	30	75
EQT 0028	20 - 7.5 kw Corona Treater (1251 Extruder)	19	900		.83	30	75
EQT 0029	21 - 7.0 kw Corona Treater (1171 Press)	19	900		2	10	75
EQT 0030	22 - 3.0 kw Corona Treater (1171 Press)	19	900		.83	30	75
EQT 0033	11 - Cyclone Trim System	12.5	1500	2		10	75
EQT 0034	25 - Prime Coating Station 1251 Extruder (Water Based)	48.5	3812	2		32	100
EQT 0035	26 - Prime Coating Station 1252 Extruder	48.5	3812	2		32	100
EQT 0036	26A - Prime Coating Station 1252 Extruder (Water Based)	48.5	3812	2		32	100
EQT 0037	27 - 3.5 kw Corona Treater (1151 Press)	19	900		.83	30	75
EQT 0072	SN01-13 1206 Gravure Laminator	83	9960	.02		30	180
EQT 0074	33 - Sh117 Solvent Storage Tank					12	
EQT 0077	SN02-1 - 1171 Eight Color Press Flexo Printing VOC Fugitive Emissions	48.5	3812	2		32	100
EQT 0079	SN01-6 - 1109 Six Color Press Flexo Printing VOC Fugitive Emissions	48.5	3812	2		32	100
EQT 0080	SN01-9 - 1110 Six Color Press Flexo Printing VOC Fugitive Emissions	48.5	3812	2		32	100
EQT 0081	SN02-20 - 1151 Eight Color Press Flexo Printing VOC Fugitive Emissions	48.5	3812	2		32	100
EQT 0082	SN02-17 - 1180 Eight Color Press Flexo Printing VOC Fugitive Emissions	48.5	3812	2		32	100
EQT 0084	28 - 7.5 kw Corona Treater (1151 Press Outboard Stations)	19	900		.83	30	75

**INVENTORIES**

AI ID: 316633 - Printpack Inc - Shreveport Facility  
 Activity Number: PER20090001  
 Permit Number: 0400-00032-V5  
 Air - Title V Regular Permit Minor Mod

Relationships:		Description	Relationship	ID	Description
EQT 0008	1 - Catalytic Incinerator SN01	Controls emissions from, (65% capture efficiency of VOC (solvent) fugitive emissions)	EQT 0048	SN01-7 - Between Color Driers (1109 Press)	
EQT 0008	1 - Catalytic Incinerator SN01	Controls emissions from, (65% capture efficiency of VOC (solvent) fugitive emissions)	EQT 0046	SN01-5 - 1207 Lamination DN TECH	
EQT 0008	1 - Catalytic Incinerator SN01	Controls emissions from, (65% capture efficiency of VOC (solvent) fugitive emissions)	EQT 0045	SN01-4 - 1207 Lamination Zone 2 Oven	
EQT 0008	1 - Catalytic Incinerator SN01	Controls emissions from, (65% capture efficiency of VOC (solvent) fugitive emissions)	EQT 0044	SN01-3 - 1207 Lamination Zone 1 Oven	
EQT 0008	1 - Catalytic Incinerator SN01	Controls emissions from, (65% capture efficiency of VOC (solvent) fugitive emissions)	FUG 0002	SN01-15 - 1207 Lamination Process VOC Fugitive Emissions	
EQT 0008	1 - Catalytic Incinerator SN01	Controls emissions from, (65% capture efficiency of VOC (solvent) fugitive emissions)	EQT 0081	SN02-20 - 1151 Eight Color Press Flexo Printing VOC Fugitive Emissions	
EQT 0008	1 - Catalytic Incinerator SN01	Controls emissions from, (65% capture efficiency of VOC fugitives from printing)	EQT 0049	SN01-8 - Overhead Oven	
EQT 0008	1 - Catalytic Incinerator SN01	Controls emissions from, (65% capture efficiency of VOC (solvent) fugitive emissions)	EQT 0079	SN01-6 - 1109 Six Color Press Flexo Printing VOC Fugitive Emissions	
EQT 0008	1 - Catalytic Incinerator SN01	Controls emissions from, (65% capture efficiency of VOC fugitives from printing)	EQT 0061	SN02-8 - Overhead Oven (1151 Press)	
EQT 0008	1 - Catalytic Incinerator SN01	Controls emissions from, (65% capture efficiency of VOC (solvent) fugitive emissions)	EQT 0060	SN02-7 - Between Color Driers (1151 Press)	
EQT 0008	1 - Catalytic Incinerator SN01	Controls emissions from, (65% capture efficiency of VOC (solvent) fugitive emissions)	EQT 0053	SN01-12 - Tunnel Oven NO 2 (1110 Press)	
EQT 0008	1 - Catalytic Incinerator SN01	Controls emissions from, (65% capture efficiency of VOC (solvent) fugitive emissions)	EQT 0052	SN01-11 - Tunnel Oven NO 1 (1110 Press)	
EQT 0008	1 - Catalytic Incinerator SN01	Controls emissions from, (65% capture efficiency of VOC (solvent) fugitive emissions)	EQT 0051	SN01-10 - Between Color Driers (1110 press)	
EQT 0008	1 - Catalytic Incinerator SN01	Controls emissions from, (65% capture efficiency of VOC fugitives from printing)	EQT 0080	SN01-9 - 1110 Six Color Press Flexo Printing VOC Fugitive Emissions	
EQT 0019	12 - Thermal Incinerator SN02	Controls emissions from, (65% capture efficiency of VOC fugitives from plate making process)	EQT 0083	SN02-25 - Photopolymer Plate Making System	
EQT 0019	12 - Thermal Incinerator SN02	Controls emissions from, (65% capture efficiency of VOC (solvent))	EQT 0085	SN02-14 - Coater Oven NO 1(1151 Press)	

**INVENTORIES**

A IID: 31663 - Printpack Inc - Shreveport Facility  
 Activity Number: PER20090001  
 Permit Number: 0400-00032-V5  
 Air - Title V Regular Permit Minor Mod

Relationships:	ID	Description	Relationship	ID	Description
	EQT 0019	12 - Thermal Incinerator SN02	Fugitive emissions	EQT 0086	SN02-14 - Coater Oven NO 2(1151 Press)
	EQT 0019	12 - Thermal Incinerator SN02	Controls emissions from (65% capture efficiency of VOC (solvent)) fugitive emissions	FUG 0005	SN01-16 - 1171 Outboard Coating Station VOC Fugitive Emissions
	EQT 0019	12 - Thermal Incinerator SN02	Controls emissions from (65% capture efficiency of VOC (solvent)) fugitive emissions	EQT 0082	SN02-17 - 1180 Eight Color Press Flexo Printing VOC Fugitive Emissions
	EQT 0019	12 - Thermal Incinerator SN02	Controls emissions from (65% capture efficiency of VOC fugitives from printing)	EQT 0078	SN02-13 - 1180 Outboard Station Oven No 2
	EQT 0019	12 - Thermal Incinerator SN02	Controls emissions from (65% capture efficiency of VOC fugitives from printing)	EQT 0077	SN02-1 - 1171 Eight Color Press Flexo Printing VOC Fugitive Emissions
	EQT 0019	12 - Thermal Incinerator SN02	Controls emissions from (65% capture efficiency of VOC fugitives from printing)	EQT 0076	SN02-24 - Parts Washers (Solvent Recovery System)
	EQT 0019	12 - Thermal Incinerator SN02	Controls emissions from (65% capture efficiency of VOC fugitives from printing)	EQT 0075	SN02-23 - Photopolymer Plate Making (Process & Drying)
	EQT 0019	12 - Thermal Incinerator SN02	Controls emissions from (65% capture efficiency of VOC (solvent)) fugitive emissions	EQT 0065	SN02-12 - 1180 Outboard Station Oven No. 1
	EQT 0019	12 - Thermal Incinerator SN02	Controls emissions from (65% capture efficiency of VOC (solvent)) fugitive emissions	EQT 0064	SN02-11 - Overhead Oven (1180 Press)
	EQT 0019	12 - Thermal Incinerator SN02	Controls emissions from (65% capture efficiency of VOC (solvent)) fugitive emissions	EQT 0063	SN02-10 - Between Color Driers (1180 Press)
	EQT 0019	12 - Thermal Incinerator SN02	Controls emissions from (65% capture efficiency of VOC (solvent)) fugitive emissions	EQT 0058	SN02-15 - Coater Oven NO 2(1171 Press)
	EQT 0019	12 - Thermal Incinerator SN02	Controls emissions from (65% capture efficiency of VOC (solvent)) fugitive emissions	EQT 0057	SN02-14 - Coater Oven NO 1(1171 Press)
	EQT 0019	12 - Thermal Incinerator SN02	Controls emissions from (65% capture efficiency of VOC (solvent)) fugitive emissions	EQT 0056	SN02-3 - Overhead Oven (1171 Press)
	EQT 0019	12 - Thermal Incinerator SN02	Controls emissions from (65% capture efficiency of VOC (solvent)) fugitive emissions	FUG 0006	SN02-19 - 1180 Outboard Coating Station VOC Fugitive Emissions
	EQT 0019	12 - Thermal Incinerator SN02	Controls emissions from (65% capture efficiency of VOC (solvent)) fugitive emissions	EQT 0015	7 - 70 kw Corona Treater (1207 Secondary)
	EQT 0019	12 - Thermal Incinerator SN02	Controls emissions from (65% capture efficiency of VOC (solvent)) fugitive emissions		

TPOR0149

**INVENTORIES**

**AI ID:** 311663 - Printpack Inc - Shreveport Facility  
**Activity Number:** PER20090001  
**Permit Number:** 0400-00032-V5  
**Air - Title V Regular Permit Minor Mod**

Relationships:			
ID	Description	Relationship	Description
EQT 0019	12 - Thermal Incinerator SN02	Controls emissions from, (65% capture efficiency of VOC (solvent) fugitive emissions)	EQT 0014    6 - 7.0 kw Corona Treater (1207 Primary)
EQT 0019	12 - Thermal Incinerator SN02	Controls emissions from, (65% capture efficiency of VOC (solvent) fugitive emissions)	EQT 0055    SN02-2 - SN02-2 Between Color Driers (1171 Press)

Subject Item Groups:			
ID	Group Type	Group Description	Member of Groups
CRG 0001	Common Requirements Group	PRS - Facility's Presses	CRG000000000002
CRG 0002	Common Requirements Group	LAM - Facility Laminators	CRG000000000002
SCN 0001	Alternate Operating Scenario	1A - Catalytic Incinerator, SN01, Alternate Operating Scenario	CRG000000000002
SCN 0002	Alternate Operating Scenario	12A - Thermal Incinerator, SN02, Alternate Operating Scenario	CRG000000000002
UNF 0001	Unit or Facility Wide	UNF01 - UNF01 - Printpack Shreveport Plant	SCN000000000001

Group Membership:			
ID	Description	Member of Groups	Member of Groups
EQT 0013	5A - Water Base Adhesive Lamination Process (1207); Solvent Wash-up Fugitives	CRG000000000002	CRG000000000002
EQT 0034	25 - Prime Coating Station 1251 Extruder (Water Based)	CRG000000000002	CRG000000000002
EQT 0035	26 - Prime Coating Station 1252 Extruder	CRG000000000002	CRG000000000002
EQT 0036	26A - Prime Coating Station 1252 Extruder (Water Based)	CRG000000000002	CRG000000000002
EQT 0041	32 - 1208 SAL Laminator - Wash-up Activities Fugitive Emissions	SCN000000000001	SCN000000000001
EQT 0048	SN01-7 - Between Color Driers (1109 Press)	SCN000000000001	SCN000000000001
EQT 0049	SN01-8 - Overhead Oven	SCN000000000001	SCN000000000002
EQT 0051	SN01-10 - Between Color Driers (1110 press)	SCN000000000001	SCN000000000002
EQT 0052	SN01-11 - Tunnel Oven NO 1 (1110 Press)	SCN000000000001	SCN000000000002
EQT 0053	SN01-12 - Tunnel Oven NO 2 (1110 Press)	SCN000000000001	SCN000000000002
EQT 0055	SN02-2 - SN02-2 Between Color Driers (1171 Press)	SCN000000000001	SCN000000000002
EQT 0056	SN02-3 - Overhead Oven (1171 Press)	SCN000000000001	SCN000000000002
EQT 0057	SN02-14 - Coater Oven NO 1 (1171 Press)	SCN000000000001	SCN000000000002
EQT 0058	SN02-15 - Coater Oven NO 2 (1171 Press)	SCN000000000001	SCN000000000002
EQT 0060	SN02-7 - Between Color Driers (1151 Press)	SCN000000000001	SCN000000000002
EQT 0061	SN02-8 - Overhead Oven (1151 Press)	SCN000000000001	SCN000000000002
EQT 0063	SN02-10 - Between Color Driers (1180 Press)	SCN000000000001	SCN000000000002
EQT 0064	SN02-11 - Overhead Oven (1180 Press)	SCN000000000001	SCN000000000002
EQT 0065	SN02-12 - 1180 Outboard Station Oven No. 1	SCN000000000001	SCN000000000002
EQT 0072	SN01 - SN01-13 1206 Gravure Laminator	CRG000000000002	CRG000000000002
EQT 0077	SN02-1 - 1171 Eight Color Press Flexo Printing VOC Fugitive Emissions	CRG000000000001	CRG000000000002
EQT 0078	SN02-13 - 1180 Outboard Station Oven No. 2	SCN000000000001	SCN000000000002
EQT 0079	SN01-6 - 1109 Six Color Press Flexo Printing VOC Fugitive Emissions	CRG000000000001	CRG000000000001

**INVENTORIES**

AI ID: 31663 - Printpack Inc - Shreveport Facility  
 Activity Number: PER20090001  
 Permit Number: 0400-00032-V5  
 Air - Title V Regular Permit Minor Mod

**Group Membership:**

ID	Description	Member of Groups
EQT 0080	SN01-9 - 1110 Six Color Press Flexo Printing VOC Fugitive Emissions	CRG000000000001, SCN000000000001, SCN000000000002
EQT 0081	SN02-20 - 1151 Eight Color Press Flexo Printing VOC Fugitive Emissions	CRG000000000001, SCN000000000001
EQT 0082	SN02-17 - 1180 Eight Color Press Flexo Printing VOC Fugitive Emissions	CRG000000000001, SCN000000000001, SCN000000000002
EQT 0085	SN02-14 - Coater Oven NO 1(1151 Press)	SCN000000000001, SCN000000000002
EQT 0086	SN02-14 - Coater Oven NO 2(1151 Press)	SCN000000000001, SCN000000000002
FUG 0002	SN01-15 - 1207 Lamination Process VOC Fugitive Emissions	SCN000000000001
FUG 0005	SN01-16 - 1171 Outboard Coating Station VOC Fugitive Emissions	SCN000000000001, SCN000000000002
FUG 0006	SN02-19 - 1180 Outboard Coating Station VOC Fugitive Emissions	SCN000000000001

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

**Annual Maintenance Fee:**

Fee Number	Air Contaminant Source	Multiplier	Units Of Measure
0410	0410 Commercial Printing - Color	6	Presses
3C	3C All other general licenses which require registration		
0410	0410 Commercial Printing - Color	1	Presses

**SIC Codes:**

2752	Commercial printing, lithographic	AI 31663
2752	Commercial printing, lithographic	UNF 001
2759	Commercial printing, nec	AI 31663

**EMISSION RATES FOR CRITERIA POLLUTANTS**

AI ID: 31663 - Printpack Inc - Shreveport Facility  
 Activity Number: PER20090001  
 Permit Number: 0400-00032-V5  
**Air - Title V Regular Permit Minor Mod**

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
<b>UNF01 - Printpack Shreveport Plant</b>															
EQT 0008	<b>1.43</b>	<b>1.43</b>	<b>6.27</b>	1.70	1.70	7.46	0.13	0.13	0.57	0.01	0.01	0.04	30.93	30.93	135.46
EQT 0010													0.02	0.02	0.08
EQT 0011													0.02	0.02	0.07
EQT 0012													0.01	0.01	0.03
EQT 0013													1.14	1.14	4.97
EQT 0019	<b>0.92</b>	<b>0.92</b>	<b>4.05</b>	1.10	1.10	4.82	0.08	0.08	0.37	0.01	0.01	0.03	30.72	30.72	134.58
EQT 0033													0.57	0.57	2.50
EQT 0034	<b>0.14</b>	<b>0.14</b>	<b>0.61</b>	0.17	0.17	0.72	0.01	0.01	0.06	<0.01	<0.01	0.004	4.09	4.09	17.89
EQT 0035	<b>0.14</b>	<b>0.14</b>	<b>0.61</b>	0.17	0.17	0.72	0.01	0.01	0.06	<0.01	<0.01	0.004	4.09	4.09	17.89
EQT 0036	<b>0.14</b>	<b>0.14</b>	<b>0.61</b>	0.17	0.17	0.72	0.01	0.01	0.06	<0.01	<0.01	0.004	4.09	4.09	17.89
EQT 0041													0.59	0.59	2.57
EQT 0074													0.02	0.02	0.07
EQT 0083													0.02	0.02	0.06
SCN 0001	<b>1.84</b>	<b>1.84</b>	<b>8.07</b>	2.19	2.19	9.61	0.17	0.17	0.73	0.01	0.01	0.06	53.91	53.91	236.12
SCN 0002	<b>1.13</b>	<b>1.13</b>	<b>4.93</b>	1.34	1.34	5.87	0.10	0.10	0.45	0.01	0.01	0.04	37.16	37.16	162.76
SCN 12A															

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

**Emissions rates Notes:**

- SCN 0001 PM10 Avg lb/hr When the emission streams are routed to a single oxidizer, this rate is higher than during normal operation, but less than the combined emission rates of the two oxidizers operating simultaneously under the normal condition. Which Months: All Year
- SCN 0001 PM10 Max lb/hr When the emission streams are routed to a single oxidizer, this rate is higher than during normal operation, but less than the combined emission rates of the two oxidizers operating simultaneously under the normal condition. Which Months: All Year
- SCN 0001 PM10 Tons/Year When the emission streams are routed to a single oxidizer, this rate is higher than during normal operation, but less than the combined emission rates of the two oxidizers operating simultaneously under the normal condition. Which Months: All Year
- SCN 0001 SO2 Avg lb/hr When the emission streams are routed to a single oxidizer, this rate is higher than during normal operation, but less than the combined emission rates of the two oxidizers operating simultaneously under the normal condition. Which Months: All Year

**EMISSION RATES FOR CRITERIA POLLUTANTS**

AI ID: 31663 - Printpack Inc - Shreveport Facility  
**Activity Number:** PER20090001  
**Permit Number:** 0400-00032-V5  
**Air - Title V Regular Permit Minor Mod**

SCN 0001	SO2	Max lb/hr	When the emission streams are routed to a single oxidizer, this rate is higher than during normal operation, but less than the combined emission rates of the two oxidizers operating simultaneously under the normal condition. Which Months: All Year
SCN 0001	SO2	Tons/Year	When the emission streams are routed to a single oxidizer, this rate is higher than during normal operation, but less than the combined emission rates of the two oxidizers operating simultaneously under the normal condition. Which Months: All Year
SCN 0001	NOx	Avg lb/hr	When the emission streams are routed to a single oxidizer, this rate is higher than during normal operation, but less than the combined emission rates of the two oxidizers operating simultaneously under the normal condition. Which Months: All Year
SCN 0001	NOx	Max lb/hr	When the emission streams are routed to a single oxidizer, this rate is higher than during normal operation, but less than the combined emission rates of the two oxidizers operating simultaneously under the normal condition. Which Months: All Year
SCN 0001	NOx	Tons/Year	When the emission streams are routed to a single oxidizer, this rate is higher than during normal operation, but less than the combined emission rates of the two oxidizers operating simultaneously under the normal condition. Which Months: All Year
SCN 0001	CO	Avg lb/hr	When the emission streams are routed to a single oxidizer, this rate is higher than during normal operation, but less than the combined emission rates of the two oxidizers operating simultaneously under the normal condition. Which Months: All Year
SCN 0001	CO	Max lb/hr	When the emission streams are routed to a single oxidizer, this rate is higher than during normal operation, but less than the combined emission rates of the two oxidizers operating simultaneously under the normal condition. Which Months: All Year
SCN 0001	VOC	Avg lb/hr	When the emission streams are routed to a single oxidizer, this rate is higher than during normal operation, but less than the combined emission rates of the two oxidizers operating simultaneously under the normal condition. Which Months: All Year
SCN 0001	VOC	Max lb/hr	When the emission streams are routed to a single oxidizer, this rate is higher than during normal operation, but less than the combined emission rates of the two oxidizers operating simultaneously under the normal condition. Which Months: All Year
SCN 0001	VOC	Tons/Year	When the emission streams are routed to a single oxidizer, this rate is higher than during normal operation, but less than the combined emission rates of the two oxidizers operating simultaneously under the normal condition. Which Months: All Year
SCN 0002	PM10	Avg lb/hr	When the emission streams are routed to a single oxidizer, this rate is higher than during normal operation, but less than the combined emission rates of the two oxidizers operating simultaneously under the normal condition. Which Months: All Year
SCN 0002	PM10	Max lb/hr	When the emission streams are routed to a single oxidizer, this rate is higher than during normal operation, but less than the combined emission rates of the two oxidizers operating simultaneously under the normal condition. Which Months: All Year
SCN 0002	SO2	Avg lb/hr	When the emission streams are routed to a single oxidizer, this rate is higher than during normal operation, but less than the combined emission rates of the two oxidizers operating simultaneously under the normal condition. Which Months: All Year
SCN 0002	SO2	Max lb/hr	When the emission streams are routed to a single oxidizer, this rate is higher than during normal operation, but less than the combined emission rates of the two oxidizers operating simultaneously under the normal condition. Which Months: All Year

**EMISSION RATES FOR CRITERIA POLLUTANTS****AI ID: 31663 - Printpack Inc - Shreveport Facility****Activity Number: PER20090001****Permit Number: 0400-00032-V5****Air - Title V Regular Permit Minor Mod**

SCN 0002	SO2	Tons/Year	When the emission streams are routed to a single oxidizer, this rate is higher than during normal operation, but less than the combined emission rates of the two oxidizers operating simultaneously under the normal condition. Which Months: All Year
SCN 0002	NOx	Avg lb/hr	<input type="checkbox"/> When the emission streams are routed to a single oxidizer, this rate is higher than during normal operation, but less than the combined emission rates of the two oxidizers operating simultaneously under the normal condition. Which Months: All Year
SCN 0002	NOx	Max lb/hr	<input checked="" type="checkbox"/> When the emission streams are routed to a single oxidizer, this rate is higher than during normal operation, but less than the combined emission rates of the two oxidizers operating simultaneously under the normal condition. Which Months: All Year
SCN 0002	NOx	Tons/Year	<input type="checkbox"/> When the emission streams are routed to a single oxidizer, this rate is higher than during normal operation, but less than the combined emission rates of the two oxidizers operating simultaneously under the normal condition. Which Months: All Year
SCN 0002	CO	Avg lb/hr	<input type="checkbox"/> When the emission streams are routed to a single oxidizer, this rate is higher than during normal operation, but less than the combined emission rates of the two oxidizers operating simultaneously under the normal condition. Which Months: All Year
SCN 0002	CO	Max lb/hr	<input type="checkbox"/> When the emission streams are routed to a single oxidizer, this rate is higher than during normal operation, but less than the combined emission rates of the two oxidizers operating simultaneously under the normal condition. Which Months: All Year
SCN 0002	VOC	Avg lb/hr	<input type="checkbox"/> When the emission streams are routed to a single oxidizer, this rate is higher than during normal operation, but less than the combined emission rates of the two oxidizers operating simultaneously under the normal condition. Which Months: All Year
SCN 0002	VOC	Max lb/hr	<input type="checkbox"/> When the emission streams are routed to a single oxidizer, this rate is higher than during normal operation, but less than the combined emission rates of the two oxidizers operating simultaneously under the normal condition. Which Months: All Year
SCN 0002	VOC	Tons/Year	<input type="checkbox"/> When the emission streams are routed to a single oxidizer, this rate is higher than during normal operation, but less than the combined emission rates of the two oxidizers operating simultaneously under the normal condition. Which Months: All Year

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 31663 - Printpack Inc - Shreveport Facility

Activity Number: PER20090001

Permit Number: 0400-00032-V5

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0008 1	Methyl ethyl ketone	0.84	0.84	3.68
	Toluene	0.25	0.25	1.11
EQT 0019 12	Methyl ethyl ketone	0.84	0.84	3.68
	Toluene	0.25	0.25	1.11
SCN 0001 1A	Methyl ethyl ketone	0.84	0.84	3.68
	Toluene	0.25	0.25	1.11
SCN 0002 12A	Methyl ethyl ketone	0.84	0.84	3.68
	Toluene	0.25	0.25	1.11
UNF 0001 UNFO1	Methyl ethyl ketone			7.36
	Toluene			2.22

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

**Emission Rates Notes:**

SCN 0001	Methyl ethyl ketone	Avg lb/hr	<input checked="" type="checkbox"/> When the emission streams are routed to a single oxidizer, this rate is higher than during normal operation, but less than the combined emission rates of the two oxidizers operating simultaneously under the normal condition. Which Months: All Year
SCN 0001	Methyl ethyl ketone	Max lb/hr	<input type="checkbox"/> When the emission streams are routed to a single oxidizer, this rate is higher than during normal operation, but less than the combined emission rates of the two oxidizers operating simultaneously under the normal condition. Which Months: All Year
SCN 0001	Methyl ethyl ketone	Tons/Year	<input type="checkbox"/> When the emission streams are routed to a single oxidizer, this rate is higher than during normal operation, but less than the combined emission rates of the two oxidizers operating simultaneously under the normal condition. Which Months: All Year
SCN 0001	Toluene	Avg lb/hr	<input type="checkbox"/> When the emission streams are routed to a single oxidizer, this rate is higher than during normal operation, but less than the combined emission rates of the two oxidizers operating simultaneously under the normal condition. Which Months: All Year
SCN 0001	Toluene	Max lb/hr	<input type="checkbox"/> When the emission streams are routed to a single oxidizer, this rate is higher than during normal operation, but less than the combined emission rates of the two oxidizers operating simultaneously under the normal condition. Which Months: All Year
SCN 0001	Toluene	Tons/Year	<input type="checkbox"/> When the emission streams are routed to a single oxidizer, this rate is higher than during normal operation, but less than the combined emission rates of the two oxidizers operating simultaneously under the normal condition. Which Months: All Year
SCN 0002	Methyl ethyl ketone	Avg lb/hr	<input checked="" type="checkbox"/> When the emission streams are routed to a single oxidizer, this rate is higher than during normal operation, but less than the combined emission rates of the two oxidizers operating simultaneously under the normal condition. Which Months: All Year
SCN 0002	Methyl ethyl ketone	Max lb/hr	<input type="checkbox"/> When the emission streams are routed to a single oxidizer, this rate is higher than during normal operation, but less than the combined emission rates of the two oxidizers operating simultaneously under the normal condition. Which Months: All Year
SCN 0002	Methyl ethyl ketone	Tons/Year	<input type="checkbox"/> When the emission streams are routed to a single oxidizer, this rate is higher than during normal operation, but less than the combined emission rates of the two oxidizers operating simultaneously under the normal condition. Which Months: All Year
SCN 0002	Toluene	Avg lb/hr	<input type="checkbox"/> When the emission streams are routed to a single oxidizer, this rate is higher than during normal operation, but less than the combined emission rates of the two oxidizers operating simultaneously under the normal condition. Which Months: All Year

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS****AI ID: 31663 - Printpack Inc - Shreveport Facility****Activity Number: PER20090001****Permit Number: 0400-00032-V5****Air - Title V Regular Permit Minor Mod**

SCN 0002	Toluene	Max lb/hr	When the emission streams are routed to a single oxidizer, this rate is higher than during normal operation, but less than the combined emission rates of the two oxidizers operating simultaneously under the normal condition. Which Months: All Year
SCN 0002	Toluene	Tons/Year	When the emission streams are routed to a single oxidizer, this rate is higher than during normal operation, but less than the combined emission rates of the two oxidizers operating simultaneously under the normal condition. Which Months: All Year

**SPECIFIC REQUIREMENTS**

**AI ID:** 31663 - Printpack Inc - Shreveport Facility  
**Activity Number:** PER20090001  
**Permit Number:** 0400-00032-V5  
**Air - Title V Regular Permit Minor Mod**

**CRG 0001 PRS - Facility's Presses**

Group Members: EQT 0077EQT 0079EQT 0080EQT 0081EQT 0082

- 1 [LAC 33:III.2143.A.2] VOC, Total  $\geq$  90% control efficiency (by weight) across the control device, which can be demonstrated to have an overall capture and abatement reduction of at least 75 percent where a publication rotogravure process is employed; 65 percent where a packaging rotogravure process is employed; 65 percent where a flexographic printing process is employed.  
Which Months: All Year Statistical Basis: None specified  
Equipment/operational data monitored by the regulation's specified method(s) as needed. Measure operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with the design specification.  
Which Months: All Year Statistical Basis: None specified  
Determine compliance with LAC 33:III.2143 by certification from the ink manufacturer concerning the solvent makeup of the ink or by applying the test methods specified in LAC 33:III.2143.C. 1 through C.4, as appropriate.  
Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2143.D.1 through D.3 to verify compliance with LAC 33:III.2143. Maintain records for at least two years.
- 2 [LAC 33:III.2143.C]
- 3 [LAC 33:III.2143.C]
- 4 [LAC 33:III.2143.D]

**CRG 0002 LAM - Facility Laminators**

Group Members: EQT 0033EQT 0034EQT 0035EQT 0041EQT 0072

- 5 [LAC 33:III.2123.C] VOC, Total  $\leq$  2.9 lb/gal of coating as applied (minus water and exempt solvent).  
Which Months: All Year Statistical Basis: Daily average  
Determine compliance with LAC 33:III.2123.A, C, and D by applying the test methods specified in LAC 33:III.2123.E.1 through E.6, as appropriate.  
Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2123.F.1 through F.4 to verify compliance with LAC 33:III.2123. Maintain records for at least two years.
- 6 [LAC 33:III.2123.E]
- 7 [LAC 33:III.2123.F]

**EQT 0008 1 - Catalytic Incinerator SN01**

- 8 [LAC 33:III.1101.B] Opacity  $\leq$  20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
Which Months: All Year Statistical Basis: None specified  
Opacity  $\leq$  20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
Which Months: All Year Statistical Basis: Six-minute average  
VOC, Total  $\geq$  90% control efficiency (by weight) across the control device, which can be demonstrated to have an overall capture and reduction of at least 65 percent for the packaging rotogravure and flexographic printing processes employed.  
Which Months: All Year Statistical Basis: None specified  
Equipment/operational data recordkeeping by electronic or hard copy as needed. Record operational parameters of all required control devices.
- 9 [LAC 33:III.1311.C]
- 10 [LAC 33:III.2143.A.2.b. c]
- 11 [LAC 33:III.2143.C]

**SPECIFIC REQUIREMENTS**

AI ID: 31663 - Printpack Inc - Shreveport Facility  
 Activity Number: PER20090001  
 Permit Number: 0400-00032-V5  
 Air - Title V Regular Permit Minor Mod

**EQT 0008 1 - Catalytic Incinerator SN01**

Equipment/operational data monitored by the regulation's specified method(s) as needed. Measure operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with the design specification.

Which Months: All Year Statistical Basis: None specified

Equipment/operational data: The owner or operator of any graphic arts facility shall maintain records at the facility to verify compliance with or exemption from LAC 33:III.2143.

Temperature  $\geq 600$  F. Permittee shall operate the catalytic incinerator with a minimum inlet gas temperature of 600 F.

The initial performance test was conducted on August 27, 1998. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E

- Determination of Nitrogen Oxides Emissions from Stationary Sources and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

Permittee shall remove the catalyst blocks from the catalytic incinerator and wash per manufacturer's instructions at least once every three (3) years.

Press 1151 Outboard Station Throughput  $\leq 112$  M sq ft/hr. Total VOC from Press 1151 Outboard Stations shall be less than 37.2 tons/year.

Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if throughput to Press 1151 Outboard Stations exceeds the maximum listed in this specific condition for any twelve consecutive month period.

Which Months: All Year Statistical Basis: 12 Month average

Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBtu, gr/dscf, lbs SO<sub>2</sub> / ton 100% H<sub>2</sub>SO<sub>4</sub>, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H<sub>2</sub>SO<sub>4</sub> was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted capacity.

Conduct a performance/emissions test: Due within 180 days after the the installation and shutdown of the new Outboard stations. The stack test's purpose is to demonstrate a VOC destruction and removal efficiency (DRE) greater than or equal 90% and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 25A - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.

Press 1151 Outboard Station Throughput recordkeeping by electronic or hard copy monthly. Keep records of the total Press 1151 Outboard Stations throughput each month, as well as the total Press 1151 Outboard Stations Throughput for the last twelve months. Use the Press 1151 Outboard Stations throughput to calculate and record the total VOC emitted from Press 1151 Outboard Stations each month, as well as the total VOC emitted from Press 1151 Outboard Stations for the last twelve months. Make records available for inspection by DEQ personnel.

**SPECIFIC REQUIREMENTS**

AI ID: 31663 - Printpack Inc - Shreveport Facility  
 Activity Number: PER20090001  
 Permit Number: 0400-0032-V5  
 Air - Title V Regular Permit Minor Mod

**EQT 0008 1 - Catalytic Incinerator SN01**

- 22 [LAC 33:III.509.R.6] Press 1151 Outboard Stations Throughput monitored by technically sound method monthly.  
 Which Months: All Year Statistical Basis: 12 Month average  
 Press 1151 Outboard Stations Total VOC and Throughput Reporting. Submit report: Due annually, by the 31st of March. Report the Press 1151 Outboard Stations Total VOC and Throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.

**EQT 0010 2 - Miscellaneous Solvents Acetates/Alcohols Storage Tank**

- 24 [LAC 33:III.2103.A] Equip with a submerged fill pipe.

**EQT 0012 4 - Miscellaneous Solvents Acetates/Alcohols Storage Tank**

- 25 [LAC 33:III.2103.A] Equip with a submerged fill pipe.

**EQT 0014 6 - 7.0 kw Corona Treater (1207 Primary)**

- 26 [LAC 33:III.501.C.6] Ozone <= 3.94 tons/yr.  
 Which Months: All Year Statistical Basis: Annual maximum  
 Ozone <= 0.90 lb/hr.  
 Which Months: All Year Statistical Basis: Hourly average  
 Ozone <= 0.90 lb/hr.  
 Which Months: All Year Statistical Basis: Hourly maximum

**EQT 0015 7 - 7.0 kw Corona Treater (1207 Secondary)**

- 29 [LAC 33:III.501.C.6] Ozone <= 0.90 lb/hr.  
 Which Months: All Year Statistical Basis: Hourly maximum  
 Ozone <= 3.94 tons/yr.  
 Which Months: All Year Statistical Basis: Annual maximum  
 Ozone <= 0.90 lb/hr.  
 Which Months: All Year Statistical Basis: Hourly average

**EQT 0016 8 - 5.0 kw Corona Treater (1208 Primary)**

- 32 [LAC 33:III.501.C.6] Ozone <= 0.86 lb/hr.  
 Which Months: All Year Statistical Basis: Hourly average  
 Ozone <= 3.77 tons/yr.  
 Which Months: All Year Statistical Basis: Annual maximum

**SPECIFIC REQUIREMENTS**

AI ID: 31663 - Printpack Inc - Shreveport Facility  
 Activity Number: PER20090001  
 Permit Number: 0400-00032-V5  
 Air - Title V Regular Permit Minor Mod

**EQT 0016 8 - 5.0 kw Corona Treater (1208 Primary)**

34 [LAC 33:III.501.C.6] Ozone <= 0.86 lb/hr.  
 Which Months: All Year Statistical Basis: Hourly maximum

**EQT 0017 9 - 5.0 kw Corona Treater (1208 Secondary)**

35 [LAC 33:III.501.C.6] Ozone <= 0.86 lb/hr.  
 Which Months: All Year Statistical Basis: Hourly average  
 Ozone <= 3.77 tons/yr.  
 Which Months: All Year Statistical Basis: Annual maximum  
 Ozone <= 0.86 lb/hr.  
 Which Months: All Year Statistical Basis: Hourly maximum

**EQT 0018 10 - 10.0 kw Corona Treater (1110 Press)**

38 [LAC 33:III.501.C.6] Ozone <= 1.24 lb/hr.  
 Which Months: All Year Statistical Basis: Hourly maximum  
 Ozone <= 5.45 tons/yr.  
 Which Months: All Year Statistical Basis: Annual maximum  
 Ozone <= 1.24 lb/hr.  
 Which Months: All Year Statistical Basis: Hourly average

**EQT 0019 12 - Thermal Incinerator SN02**

41 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
 Which Months: All Year Statistical Basis: None specified  
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
 Which Months: All Year Statistical Basis: Six-minute average  
 Sulfur dioxide <= 2000 ppm at standard conditions.  
 Which Months: All Year Statistical Basis: Three-hour average  
 VOC Total >= 90 % control efficiency (by weight) across the control device, which can be demonstrated to have an overall capture and reduction of at least 65 percent for the packaging rotogravure and flexographic printing processes employed.  
 Which Months: All Year Statistical Basis: None specified  
 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record operational parameters of all required control devices.

**SPECIFIC REQUIREMENTS**

AI ID: 31663 - Printpack Inc - Shreveport Facility  
 Activity Number: PER20090001  
 Permit Number: 0400-00032-V5  
 Air - Title V Regular Permit Minor Mod

**EQT 0019 12 - Thermal Incinerator SN02**

- 46 [LAC 33:III.2143.C] Equipment/operational data monitored by the regulation's specified method(s) as needed. Measure operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with the design specification.  
 Which Months: All Year Statistical Basis: None specified  
 Determine compliance with LAC 33:III.2143 by certification from the ink manufacturer concerning the solvent makeup of the ink or by applying the test methods specified in LAC 33:III.2143.C.1 through C.4, as appropriate.
- 47 [LAC 33:III.2143.C] Temperature >= 1500 F. The minimum temperature on the thermal incinerator shall be 1500 F.
- 48 [LAC 33:III.501.C.6] Submit emissions test results to the Office of Environmental Assessment.
- 49 [LAC 33:III.507.H.1.a] Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment (lbs/MMBtu, gr/dscf, lbs SO<sub>2</sub> / ton). The test results summary shall include any necessary conversion into the units of any applicable Standard (Example: how many tons of 100% H<sub>2</sub>SO<sub>4</sub>, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H<sub>2</sub>SO<sub>4</sub> was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.
- 50 [LAC 33:III.507.H.1.a] Conduct a performance/emissions test. Due within 180 days after the the installation and shakedown of the new Outboard stations. The stack test's purpose is to demonstrate a VOC destruction and removal efficiency (DRE) greater than or equal 90% and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 25A - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. The initial performance test was conducted on August 27, 1998.
- 51 [LAC 33:III.507.H.1.a] Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.

**EQT 0021 13 - 7.5 kw Corona Treater (1252 Extruder)**

- 52 [LAC 33:III.501.C.6] Ozone <= 3.94 tons/yr. Statistical Basis: Annual maximum  
 Which Months: All Year Ozone <= 0.90 lb/hr. Statistical Basis: Hourly maximum  
 Which Months: All Year Ozone <= 0.90 lb/hr. Statistical Basis: Hourly average  
 Which Months: All Year Ozone <= 3.94 tons/yr. Statistical Basis: Hourly maximum
- 53 [LAC 33:III.501.C.6] Ozone <= 0.90 lb/hr. Statistical Basis: Hourly maximum  
 Which Months: All Year Ozone <= 0.90 lb/hr. Statistical Basis: Hourly average
- 54 [LAC 33:III.501.C.6] Ozone <= 0.90 lb/hr. Statistical Basis: Hourly maximum  
 Which Months: All Year Ozone <= 3.94 tons/yr. Statistical Basis: Annual maximum

**EQT 0022 14 - 7.5 kw Corona Treater (1252 Extruder)**

- 55 [LAC 33:III.501.C.6] Ozone <= 0.90 lb/hr. Statistical Basis: Hourly maximum  
 Which Months: All Year Ozone <= 0.90 lb/hr. Statistical Basis: Hourly average
- 56 [LAC 33:III.501.C.6] Ozone <= 0.90 lb/hr. Statistical Basis: Hourly average  
 Which Months: All Year Ozone <= 3.94 tons/yr. Statistical Basis: Annual maximum
- 57 [LAC 33:III.501.C.6] Ozone <= 0.90 lb/hr. Statistical Basis: Hourly maximum  
 Which Months: All Year Ozone <= 3.94 tons/yr. Statistical Basis: Annual maximum

**SPECIFIC REQUIREMENTS**

AI ID: 31663 - Printpack Inc - Shreveport Facility  
 Activity Number: PER20090001  
 Permit Number: 0400-00032-V5  
 Air - Title V Regular Permit Minor Mod

**EQT 0023 15 - 7.5 kw Corona Treater (1252 Extruder)**

- |                         |  |                                   |
|-------------------------|--|-----------------------------------|
| 58 [LAC 33:III.501.C.6] | Ozone <= 0.90 lb/hr.<br>Which Months: All Year   | Statistical Basis: Hourly average |
| 59 [LAC 33:III.501.C.6] | Ozone <= 3.94 tons/yr.<br>Which Months: All Year | Statistical Basis: Annual maximum |
| 60 [LAC 33:III.501.C.6] | Ozone <= 0.90 lb/hr.<br>Which Months: All Year   | Statistical Basis: Hourly maximum |

**EQT 0024 16 - 7.5 kw Corona Treater (1252 Extruder)**

- |                         |  |                                   |
|-------------------------|--|-----------------------------------|
| 61 [LAC 33:III.501.C.6] | Ozone <= 3.94 tons/yr.<br>Which Months: All Year | Statistical Basis: Annual maximum |
| 62 [LAC 33:III.501.C.6] | Ozone <= 0.90 lb/hr.<br>Which Months: All Year   | Statistical Basis: Hourly average |
| 63 [LAC 33:III.501.C.6] | Ozone <= 0.90 lb/hr.<br>Which Months: All Year   | Statistical Basis: Hourly maximum |

**EQT 0025 17 - 7.5 kw Corona Treater (1252 Extruder)**

- |                         |  |                                   |
|-------------------------|--|-----------------------------------|
| 64 [LAC 33:III.501.C.6] | Ozone <= 0.90 lb/hr.<br>Which Months: All Year   | Statistical Basis: Hourly maximum |
| 65 [LAC 33:III.501.C.6] | Ozone <= 3.94 tons/yr.<br>Which Months: All Year | Statistical Basis: Annual maximum |
| 66 [LAC 33:III.501.C.6] | Ozone <= 0.90 lb/hr.<br>Which Months: All Year   | Statistical Basis: Hourly average |

**EQT 0026 18 - 7.5 kw Corona Treater (1251 Extruder)**

- |                         |  |                                   |
|-------------------------|--|-----------------------------------|
| 67 [LAC 33:III.501.C.6] | Ozone <= 0.90 lb/hr.<br>Which Months: All Year   | Statistical Basis: Hourly maximum |
| 68 [LAC 33:III.501.C.6] | Ozone <= 0.90 lb/hr.<br>Which Months: All Year   | Statistical Basis: Hourly average |
| 69 [LAC 33:III.501.C.6] | Ozone <= 3.94 tons/yr.<br>Which Months: All Year | Statistical Basis: Annual maximum |

**EQT 0027 19 - 7.5 kw Corona Treater (1251 Extruder)**

- |                         |  |                                   |
|-------------------------|--|-----------------------------------|
| 70 [LAC 33:III.501.C.6] | Ozone <= 0.90 lb/hr.<br>Which Months: All Year | Statistical Basis: Hourly maximum |
|-------------------------|--|-----------------------------------|

**SPECIFIC REQUIREMENTS**

AI ID: 31663 - Printpack Inc - Shreveport Facility  
 Activity Number: PER20090001  
 Permit Number: 0400-00032-V5  
 Air - Title V Regular Permit Minor Mod

**EQT 0027 19 - 7.5 kw Corona Treater (1251 Extruder)**

71 [LAC 33:III.501.C.6]	Ozone <= 0.90 lb/hr. Which Months: All Year	Statistical Basis: Hourly average
72 [LAC 33:III.501.C.6]	Ozone <= 3.94 tons/yr. Which Months: All Year	Statistical Basis: Annual maximum

**EQT 0028 20 - 7.5 kw Corona Treater (1251 Extruder)**

73 [LAC 33:III.501.C.6]	Ozone <= 0.90 lb/hr. Which Months: All Year	Statistical Basis: Hourly average
74 [LAC 33:III.501.C.6]	Ozone <= 3.94 tons/yr. Which Months: All Year	Statistical Basis: Annual maximum
75 [LAC 33:III.501.C.6]	Ozone <= 0.90 lb/hr. Which Months: All Year	Statistical Basis: Hourly maximum

**EQT 0029 21 - 7.0 kw Corona Treater (1171 Press)**

76 [LAC 33:III.501.C.6]	Ozone <= 2.24 tons/yr. Which Months: All Year	Statistical Basis: Annual maximum
77 [LAC 33:III.501.C.6]	Ozone <= 0.51 lb/hr. Which Months: All Year	Statistical Basis: Hourly average
78 [LAC 33:III.501.C.6]	Ozone <= 0.51 lb/hr. Which Months: All Year	Statistical Basis: Hourly maximum

**EQT 0030 22 - 3.0 kw Corona Treater (1171 Press)**

79 [LAC 33:III.501.C.6]	Ozone <= 3.77 tons/yr. Which Months: All Year	Statistical Basis: Annual maximum
80 [LAC 33:III.501.C.6]	Ozone <= 0.86 lb/hr. Which Months: All Year	Statistical Basis: Hourly maximum
81 [LAC 33:III.501.C.6]	Ozone <= 0.86 lb/hr. Which Months: All Year	Statistical Basis: Hourly average

**EQT 0034 25 - Prime Coating Station 1251 Extruder (Water Based)**

82 [LAC 33:III.2123.C.4]	VOC, Total <= 2.9 lb/gal of coating as applied (minus) water and exempt solvent of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total VOC content per gallon of organic solvent exceeds the maximum listed in this specific condition for any twelve consecutive month period. Which Months: All Year Statistical Basis: None specified	Noncompliance with this limitation is a reportable violation
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**SPECIFIC REQUIREMENTS**

AI ID: 31663 - Printpack Inc - Shreveport Facility  
 Activity Number: PER20090001  
 Permit Number: 0400-00032-V5  
 Air - Title V Regular Permit Minor Mod

**EQT 0034 25 - Prime Coating Station 1251 Extruder (Water Based)**

83 [LAC 33:III.2|23.F.3] VOC fraction recordkeeping by electronic or hard copy upon occurrence of event. Keep records at the facility to verify compliance with 2123 for at least two years. Records include, but not limited to, Material Data Safety Sheets (MSDS) which document the volatile organic compound content, composition, solids content, solvent density, and other relevant information regarding each coating and/or solvent used. Make records available for inspection by DEQ personnel.

**EQT 0035 26 - Prime Coating Station 1252 Extruder**

84 [LAC 33:III.2|23.C.4] VOC, Total <= 2.9 lb/gal of coating as applied (minus) water and exempt solvent). Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total VOC content per gallon of organic solvent exceeds the maximum listed in this specific condition for any twelve consecutive month period.  
 Which Months: All Year Statistical Basis: None specified

85 [LAC 33:III.2|23.F.3] VOC fraction recordkeeping by electronic or hard copy upon occurrence of event. Keep records at the facility to verify compliance with 2123 for at least two years. Records include, but not limited to, Material Safety Data Sheets (MSDS) which document the volatile organic compound content, composition, solids content, solvent density, and other relevant information regarding each coating and/or solvent used. Make records available for inspection by DEQ personnel.

**EQT 0036 26A - Prime Coating Station 1252 Extruder (Water Based)**

86 [LAC 33:III.2|23.C.4] VOC, Total <= 2.9 lb/gal of coating as applied (minus) water and exempt solvent). Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total VOC content per gallon of organic solvent exceeds the maximum listed in this specific condition for any twelve consecutive month period.  
 Which Months: All Year Statistical Basis: None specified

87 [LAC 33:III.2|23.F.3] VOC fraction recordkeeping by electronic or hard copy upon occurrence of event. Keep records at the facility to verify compliance with 2123 for at least two years. Records include, but not limited to, Material data sheets which document the volatile organic compound content, composition, solids content, solvent density, and other relevant information regarding each coating and/or solvent used. Make records available for inspection by DEQ personnel.

**EQT 0037 27 - 3.5 kw Corona Treater (1151 Press)**

88 [LAC 33:III.501.C.6]	Ozone <= 0.86 lb/hr.
	Which Months: All Year Statistical Basis: Hourly average
89 [LAC 33:III.501.C.6]	Ozone <= 0.86 lb/hr.
	Which Months: All Year Statistical Basis: Hourly maximum
90 [LAC 33:III.501.C.6]	Ozone <= 3.77 tons/yr.
	Which Months: All Year Statistical Basis: Annual maximum

**EQT 0041 32 - 1208 SAL Laminator - Wash-up Activities Fugitive Emissions**

**SPECIFIC REQUIREMENTS**

AI ID: 31663 - Printpack Inc - Shreveport Facility  
 Activity Number: PER20090001  
 Permit Number: 0400-00032-V5  
 Air - Title V Regular Permit Minor Mod

**EQT 0041 32 - 1208 SAL Laminator - Wash-up Activities Fugitive Emissions**

- 91 [LAC 33:III.2(23.E)] VOC, Total monitored by inventory records and calculations upon occurrence of event.  
 Which Months: All Year Statistical Basis: Instantaneous determination
- 92 [LAC 33:III.2(23.F.3)] VOC fraction recordkeeping by electronic or hard copy upon occurrence of event. Keep records at the facility to verify compliance with 2123.C.4 for at least two years. Records include, but not limited to, Material data sheets which document the volatile organic compound content, composition, solids content, solvent density, and other relevant information regarding each coating and/or solvent used. Make records available for inspection by DEQ personnel.
- 93 [LAC 33:III.2(23)] VOC, Total <= 2.9 lb/gal of coating as applied (minus) water and exempt solvent). Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total VOC content per gallon of organic solvent exceeds the maximum listed in this specific condition for any twelve consecutive month period.  
 Which Months: All Year Statistical Basis: None specified

**EQT 0074 33 - Sh117 Solvent Storage Tank**

- 94 [LAC 33:III.2(03.A)] Equip with a submerged fill pipe.

**EQT 0084 28 - 7.5 kw Corona Treater (1151 Press Outboard Stations)**

- 95 [LAC 33:III.5(1)] Ozone <= 2.40 tons/yr.  
 Which Months: All Year Statistical Basis: Annual maximum
- 96 [LAC 33:III.5(1)] Ozone <= 0.55 lb/hr.  
 Which Months: All Year Statistical Basis: Hourly maximum
- 97 [LAC 33:III.5(1)] Ozone <= 0.55 lb/hr.  
 Which Months: All Year Statistical Basis: Hourly average

**UNF 0001 UNF01 - UNF01 - Printpack Shreveport Plant**

- Toxic air pollutants (TAP) recordkeeping by electronic or hard copy monthly. The owner or operator of each facility which commits to the criteria of 40 CFR 63.820(a)(2) shall maintain records of all required measurements and calculations needed to demonstrate compliance with these criteria, including the mass of all TAP containing materials used and the mass fraction of HAP present in each containing material used on a monthly basis. Subpart K. [40 CFR 63.820(a)(2)]  
 Individual hazardous air pollutant, HAP < 10 tons. Use less than 10 tons per each rolling 12-month period of each HAP at the facility, including materials used for source categories or purposes other than printing and publishing. Subpart KK. [40 CFR 63.820(a)(2)]  
 Which Months: All Year Statistical Basis: Annual maximum  
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in 40 CFR 63.829(1) through (4), as applicable. Subpart KK.  
 Each facility for which the owner or operator chooses to commit to and meets the criteria stated in 40 CFR 63.829(a)2 paragraph shall be considered an area source, and is subject only to the provisions of 40 CFR 63.829(d) and 40 CFR 63.830(b1). Subpart KK.

**SPECIFIC REQUIREMENTS**

AI ID: 31663 - Printpack Inc - Shreveport Facility  
 Activity Number: PER20090001  
 Permit Number: 0400-00032-V5  
 Air - Title V Regular Permit Minor Mod

**UNF 0001 UNF01 - Printpack Shreveport Plant**

- 102 [40 CFR 70.] Comply with all applicable provisions of 40 CFR 70.
- 103 [LAC 33:III.21(3.A)] Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.21(3.A.1-5.
- 104 [LAC 33:III.219] Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
- 105 [LAC 33:III.501.C.6] Ozone <= 64.57 tons/yr.
- 106 [LAC 33:III.535] Which Months: All Year Statistical Basis: Hourly maximum Comply with the Part 70 General Conditions and the Louisiana General Conditions as set forth in LAC 33:III.535 and LAC 33:III.537. [LAC 33:III.535, LAC 33:III.537]
- 107 [LAC 33:III.5611.A] Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency: Due within 30 days after requested by the administrative authority.
- 108 [LAC 33:III.5611.B] During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations.
- 109 [LAC 33:III.919.E] Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Environmental Evaluation Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.